



V. Barron  
8-29-84

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: )  
William A. Cook et al. )  
Serial No. 542,590 )  
Filed October 17, 1983 )  
EXERCISE RESPONSIVE )  
CARDIAC PACEMAKER )

Before the Examiner  
M. Shein  
Group Art Unit 335  
August 20, 1984

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and

AMENDMENT AFTER FIRST ACTION

Trademarks, Washington, D.C. 20231 on Aug 29, 1984

Hon. Commissioner of Patents and Trademarks  
Washington, D. C. 20231

Sir:

(Date of Deposit)  
STEVE E. LARSON  
Name of applicant, assignee, or  
Registered Representative  
Steve E. Larson  
Signature  
Aug 20, 1984  
(Date of Signature)

In response to the Office Action dated March 20, 1984,  
please enter the following amendment in the above  
identified patent application.

IN THE CLAIMS:

Please cancel claims 1 through 9.

Please amend claim 10 as follows:

a'  
10. (Amended) A catheter-based sensor and stimulus means for an exercise responsive cardiac pacemaker including pacing circuitry for providing electrical stimulation of a heart based upon the level of muscular exertion, comprising:

a sensor means for sensing blood temperature, said sensor means having a pair of electrical leads;

a stimulus means for applying an electrical stimulus to a heart; [and]